

Result No.	Score	Query [†]		Length	DB	ID	Description
		Match					
1	1327	100.0	3826	9	US-09-927-091-3		Sequence 3, Appli
2	1308	98.6	23433	9	US-09-927-091-7		Sequence 7, Appli
3	1306.4	98.4	30676	9	US-09-927-091-8		Sequence 8, Appli
4	1281	96.5	30625	9	US-09-927-091-5		Sequence 5, Appli
C 5	454.6	34.3	610	13	US-10-027-632-100265		Sequence 100265,
C 6	454.6	34.3	610	16	US-09-927-632-100265		Sequence 100265,
C 7	60	4.5	60	10	US-09-008-975-16197		Sequence 16197, A
C 8	54	4.1	480	10	US-09-918-995-9396		Sequence 9396, Ap
C 9	48.2	3.6	455	13	US-10-027-632-183220		Sequence 183220,
C 10	48.2	3.6	455	13	US-10-027-632-183221		Sequence 183221,
C 11	48.2	3.6	455	13	US-10-027-632-183222		Sequence 183222,
C 12	48.2	3.6	455	16	US-10-027-632-183220		Sequence 183220,
C 13	48.2	3.6	455	16	US-10-027-632-183221		Sequence 183221,
C 14	48.2	3.6	455	16	US-10-027-632-183222		Sequence 183222,

Db 2620 GATCTGTGGCTGTGGAGGACCTGTGTAGTCCACATTAAGTCATGTGCCA 2679
QY 181 CCACCTCTCTGCCACAGCCGAGGACAGGGTGAGGTATACCCAAAGCTGATCAGAG 240
Db 2680 CCACCTCTCTGCCACAGCCGAGGACAGGGTGAGGTATACCCAAAGCTGATCAGAG 2739
QY 241 CCCATTAGCCTAAAGCAACTGCAGGACAAAGCCTCCCTGGATGATCGAGGTCCCGCAGTAG 300
Db 2740 CCCATTAGCCTAAAGCAACTGCAGGACAAAGCCTCCCTGGATGATCGAGGTCCCGCAGTAG 2799
QY 301 CTCTGAAACAGAGCTCAGCCACACCTCTTACGCCAGGCTCTGTGACCTGTAGGTGCA 360
Db 2800 CTCTGAAACAGAGCTCAGCCACACCTCTTACGCCAGGCTCTGTGACCTGTAGGTGCA 2859
QY 361 GGAGGCTTCCAGAGCAGTGTGTGTAATTAGGACCCCAAGCACTGGGAGGGGTGTGGCT 420
Db 2860 GGAGGCTTCCAGAGCAGTGTGTGTAATTAGGACCCCAAGCACTGGGAGGGGTGTGGCT 2919
QY 421 AGACCCCTTGTGAGCTTGGCATCTATCTCAGTTAGGATCTCTGCTGCAGAAAACAGAGC 480
Db 2920 AGACCCCTTGTGAGCTTGGCATCTATCTCAGTTAGGATCTCTGCTGCAGAAAACAGAGC 2979
QY 481 CACTTGTAGCTGTTTAAATTAGCAAGGATTTACTGCTGGCCCTGGTGGCTTGCAAAA 540
Db 2980 CACTTGTAGCTGTTTAAATTAGCAAGGATTTACTGCTGGCCCTGGTGGCTTGCAAAA 3039
QY 541 TTGTTGGAAGAGCTGAGAGCAGACTCTGCTGAATTTCCAGGAACTCCCGAGCCGAGAT 600
Db 3040 TTGTTGGAAGAGCTGAGAGCAGACTCTGCTGAATTTCCAGGAACTCCCGAGCCGAGAT 3099
QY 601 TCATCATGTCTGTGTGACAGGAAAGCTGCCCCCATCTGCAGGAAGCCACTATGCCAGA 660
Db 3100 TCATCATGTCTGTGTGACAGGAAAGCTGCCCCCATCTGCAGGAAGCCACTATGCCAGA 3159
QY 661 AAGCTGCTGACTCAGAGACTAGGCTCCTCTGCGACAGTCCGTCGAGCCCAATAGATGTC 720
Db 3160 AAGCTGCTGACTCAGAGACTAGGCTCCTCTGCGACAGTCCGTCGAGCCCAATAGATGTC 3219
QY 721 CTGAGGCTGCCCTCTCCCACTTCACTCAGTTCCCAAACTCTAAATTTTACAGAGATT 780
Db 3220 CTGAGGCTGCCCTCTCCCACTTCACTCAGTTCCCAAACTCTAAATTTTACAGAGATT 3279
QY 781 CTGTTGGGGAACTTAAGTCAGATCAGAACTTGTGCTCAGAGGAGTCTGGGAATGT 840
Db 3280 CTGTTGGGGAACTTAAGTCAGATCAGAACTTGTGCTCAGAGGAGTCTGGGAATGT 3339
QY 841 CATTTCCCTAGAAGGAAGTTAGGGTGGTGAGCAAGCCCACTGCGTGTCTTCTGCCAC 900
Db 3340 CATTTCCCTAGAAGGAAGTTAGGGTGGTGAGCAAGCCCACTGCGTGTCTTCTGCCAC 3399
QY 901 AGCATCCAATCGTGAAGAACTCGGGAGAGGGTGGAGTCCATCTAGGGTGTCTGCC 960
Db 3400 AGCATCCAATCGTGAAGAACTCGGGAGAGGGTGGAGTCCATCTAGGGTGTCTGCC 3459
QY 961 CTGAGCTCTATCTCTGCCAGAGTGGAACTGAGAGAGTGGGTGCAAGACTCAGCCTA 1020
Db 3460 CTGAGCTCTATCTCTGCCAGAGTGGAACTGAGAGAGTGGGTGCAAGACTCAGCCTA 3519
QY 1021 AATGCTCTCCGGGCTTGTGACTTTTCTTCTAGTCTCTGGGGCTTAGATTCTGCACTTGGGG 1080
Db 3520 AATGCTCTCCGGGCTTGTGACTTTTCTTCTAGTCTCTGGGGCTTAGATTCTGCACTTGGGG 3579
QY 1081 TCTCTGACACAAACACATCCCAAGTAGCCGAAGAGCTTAAACACAGGGGGTCTTAA 1140
Db 3580 TCTCTGACACAAACACATCCCAAGTAGCCGAAGAGCTTAAACACAGGGGGTCTTAA 3639
QY 1141 AATGCTCTCCGGGCTTGTGACTTTTCTTCTAGTCTCTGGGGCTTAGATTCTGCACTTGGGG 1200
Db 3640 AATGCTCTCCGGGCTTGTGACTTTTCTTCTAGTCTCTGGGGCTTAGATTCTGCACTTGGGG 3699
QY 1201 ACCCTTCAACTACAGAACTCTGGGCCACCCAGCAGTATTTTATTTAAATTTTGGCCCA 1260

Db 3700 ACCCTTCAACTACAGAACTCTGGGCCACCCAGCAGTATTTTATTTAAATTTGGCCCA 3759
QY 1261 TTTTATGAGTTATGATCAATTTTATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 1320
Db 3760 TTTTATGAGTTATGATCAATTTTATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 3819
QY 1321 AAAAAA 1327
Db 3820 AAAAAA 3826
RESULT 2
US-927-091-7
; Sequence 7, Application US/09927091
; Patent No. US20020119541A1
; GENERAL INFORMATION:
; APPLICANT: KILLARY, ANN
; APPLICANT: LOTT, STEVE
; APPLICANT: CHANDLER, DAWN
; TITLE OF INVENTION: THE TUMOR SUPPRESSOR CAR-1
; FILE REFERENCE: UTSC:651US
; CURRENT APPLICATION NUMBER: US/09/927,091
; CURRENT FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/227,560
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 60/225,033
; PRIOR FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 23433
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (5071)..(23433)
; OTHER INFORMATION: n = A or C or G or T/U
US-927-091-7
Query Match 98.6%; Score 1308; DB 9; Length 23433;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1308; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 TCCACAGTGTCTCAGAGTAGTACTGCTGCTCAGGGTTCCTGAGAGCAACCTCTCTGTC 60
Db 13550 TCCACAGTGTCTCAGAGTAGTACTGCTGCTCAGGGTTCCTGAGAGCAACCTCTCTGTC 13609
QY 61 CACCCACACACCAAGAACTATATGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 120
Db 13610 CACCCACACACCAAGAACTATATGTTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 13669
QY 121 GATGCTGTGGCTGTGGAAGGCACCTGCTAGTTGAGTCCACACATTAATAGTCAATGTGCCA 180
Db 13670 GATGCTGTGGCTGTGGAAGGCACCTGCTAGTTGAGTCCACACATTAATAGTCAATGTGCCA 13729
QY 181 CCACCTTCTCTGCCACAGGCGGAGGACAGGGTGAAGGTATACCCAAAGCTGATGACAG 240
Db 13730 CCACCTTCTCTGCCACAGGCGGAGGACAGGGTGAAGGTATACCCAAAGCTGATGACAG 13789
QY 241 CCCATTAGCCTAAAGCAACTGCAGGACAAAGCCTCCCTGGATGATCGAGGTCCCGCAGTAG 300
Db 13790 CCCATTAGCCTAAAGCAACTGCAGGACAAAGCCTCCCTGGATGATCGAGGTCCCGCAGTAG 13849
QY 301 CTCTGAAACAGAGTCCAGCCAAACCTCTTTCAGCCAGGCTCTGTGACCTGTAGGTGCA 360
Db 13850 CTCTGAAACAGAGTCCAGCCAAACCTCTTTCAGCCAGGCTCTGTGACCTGTAGGTGCA 13909
QY 361 GGAGGCTTCCAGAGCAGTGTGTGTAATTAGGACCCAAAGCACTGGGAGGGGTGTGGCT 420
Db 13910 GGAGGCTTCCAGAGCAGTGTGTGTAATTAGGACCCAAAGCACTGGGAGGGGTGTGGCT 13969
QY 421 AGACCCCTTGTGAGACTTGGCATCTATCTCAGTTAGGATCTTCTGCTGCAAGAAACAGAGC 480

Db 13970 AGACCCCTTGTGACAGCTTGGCACTTATCTCAGTTAGGATCCTGTGCAAAAAACAAGAGC 14029
QY 481 CACTTGTAGCTGGTTTAAATAGACAAGGATTACTACCTGGCCCTGGTGGCTTGCRAAA 540
Db 14030 CACTTGTAGCTGGTTTAAATAGACAAGGATTACTACCTGGCCCTGGTGGCTTGCRAAA 14089
QY 541 TTGTTGGAAGAGCTGGAGAAGCAGACTCTGCTGAAATTTCCAGGAACCTCCAGCGCCAGAT 600
Db 14090 TTGTTGGAAGAGCTGGAGAAGCAGACTCTGCTGAAATTTCCAGGAACCTCCAGCGCCAGAT 14149
QY 601 TCATCATGCTCTGTTGTGACAGAAAGCTGCCCATCTGAGGAAGCCTATGTCGACAGA 660
Db 14150 TCATCATGCTCTGTTGTGACAGAAAGCTGCCCATCTGAGGAAGCCTATGTCGACAGA 14209
QY 661 AAGCTGCTGACTGCAAGAACTAGGCTCCCTCTGCAAGCTGCTGCAAGCTGCTGCAAGCTATGATGTC 720
Db 14210 AAGCTGCTGACTGCAAGAACTAGGCTCCCTCTGCAAGCTGCTGCAAGCTGCTGCAAGCTATGATGTC 14269
QY 721 CTGAGGCTGCGCCCTCTCCCACTTCACTCAGTTCCCAATCTAAATTTTACAAGAGATT 780
Db 14270 CTGAGGCTGCGCCCTCTCCCACTTCACTCAGTTCCCAATCTAAATTTTACAAGAGATT 14329
QY 781 CTGTTGGGGAACTTAAGTCAGATCCAGAACCTTTGGCTGCAAGGAGCTCTGGGAAATGT 840
Db 14330 CTGTTGGGGAACTTAAGTCAGATCCAGAACCTTTGGCTGCAAGGAGCTCTGGGAAATGT 14389
QY 841 CATTTCCCTAGAAGAACTTAAAGTGAAGTGGGTGAGCAAGCCCACTGGTTTCTGCGAC 900
Db 14390 CATTTCCCTAGAAGAACTTAAAGTGAAGTGGGTGAGCAAGCCCACTGGTTTCTGCGAC 14449
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Db 14450 AGCATCCAATCTGTGAAGAACTCGGGAGAGGTTGAGTCCACATCTAGGTTTGTCTGCCC 14509
QY 961 CTGGCTCTATCTCCCTGCGAGAGTGGAACCTGAGAGAGTGGGTGCAAGACTGAGCCTA 1020
Db 14510 CTGGCTCTATCTCCCTGCGAGAGTGGAACCTGAGAGAGTGGGTGCAAGACTGAGCCTA 14569
QY 1021 AATGCTCCCGGCTTGAATTTCTTTCTAGTCTGGGCTAGATCTGACCTTGGG 1080
Db 14570 AATGCTCCCGGCTTGAATTTCTTTCTAGTCTGGGCTAGATCTGACCTTGGG 14629
QY 1081 TCTCTGACACACACACATCCCAAGTAGCGGAAGAGCTTAAACACAGGGGGTCTTAA 1140
Db 14630 TCTCTGACACACACACATCCCAAGTAGCGGAAGAGCTTAAACACAGGGGGTCTTAA 14689
QY 1141 AATGGCTGCGCCCGCCACCGCGGCTCCCTTGGGCAAAAGAAATGTGAGCCCTACCCCA 1200
Db 14690 AATGGCTGCGCCCGCCACCGCGGCTCCCTTGGGCAAAAGAAATGTGAGCCCTACCCCA 14749
QY 1201 ACCCTTCACTACAGAACTGCGGCCACCCAGCAGTATTTTAAATGTTGCCCCA 1260
Db 14750 ACCCTTCACTACAGAACTGCGGCCACCCAGCAGTATTTTAAATGTTGCCCCA 14809
QY 1261 TTTTATGAGTTATGATCAATTTGTTATTAATTAAGTTTACAGATGTCA 1308
Db 14810 TTTTATGAGTTATGATCAATTTGTTATTAATTAAGTTTACAGATGTCA 14857

RESULT 3

US-09-927-091-8
; Sequence 8, Application US/09927091
; Patent No. US20020119541A1
; GENERAL INFORMATION:
; APPLICANT: KILLIARY, ANN
; APPLICANT: LOTT, STEVE
; TITLE OF INVENTION: THE TUMOR SUPPRESSOR CAR-1
; FILE REFERENCE: UTSC-651US
; CURRENT APPLICATION NUMBER: US/09/927,091
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/227,560
; PRIOR FILING DATE: 2000-08-23

; PRIOR APPLICATION NUMBER: 60/225,033
; PRIOR FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 30676
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (6671)..(30676)
; OTHER INFORMATION: n = A or C or G or T/U
US-09-927-091-8

Query Match 98.4%; Score 1306.4; DB 9; Length 30676;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1307; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 TCCACAGTGGTCCACAGGTAGTACCTGGTTCCTAGGTTGCTGAGAGCAACCTCTCTCTGC 60
Db 24440 TCCACAGTGGTCCACAGGTAGTACCTGGTTCCTAGGTTGCTGAGAGCAACCTCTCTCTGC 24499
QY 61 CACCCCCACACCAAGAACTATATGTTCTCTACTTCTCCACTGATCTGCTGCTCAGTGAT 120
Db 24500 CACCCCCACACCAAGAACTATATGTTCTCTACTTCTCCACTGATCTGCTGCTCAGTGAT 24559
QY 121 GATGCTGTGGCTGTGGAAGCACTCTGGTGTAGTTCAGTCCACATTAATGATGTGCCA 180
Db 24560 GATGCTGTGGCTGTGGAAGCACTCTGGTGTAGTTCAGTTCACATTAATGATGTGCCA 24619
QY 181 CCACCTTCTCCCAACAGGCGGAGGACAGGTGAGGGTATACCCAAAGCTGATGTCAGAG 240
Db 24620 CCACCTTCTCCCAACAGGCGGAGGACAGGTGAGGGTATACCCAAAGCTGATGTCAGAG 24679
QY 241 CCCATTAGCTTAAAGCAACTGCAAGCAAGCCCTCCCTGGATGATCGAGGTCCCAAGTAG 300
Db 24680 CCCATTAGCTTAAAGCAACTGCAAGCAAGCCCTCCCTGGATGATCGAGGTCCCAAGTAG 24739
QY 301 CTCTGAACAGAGTCCAGCCAAACCTCTTTCAGCCAGGCTCTGTGACCTGTAGGGTGCA 360
Db 24740 CTCTGAACAGAGTCCAGCCAAACCTCTTTCAGCCAGGCTCTGTGACCTGTAGGGTGCA 24799
QY 361 GGAGGCTTCCAGAGCAGTGTGTTGTAATTAGGACCCAGCACTGGAGGGCTGTGGCT 420
Db 24800 GGAGGCTTCCAGAGCAGTGTGTTGTAATTAGGACCCAGCACTGGAGGGCTGTGGCT 24859
QY 421 AGACCCCTTGTGACACTTGGCATCTATCTCAGTTAGGATCCTGCTGAGAAACAAAGAGC 480
Db 24860 GGACCCCTTGTGACACTTGGCATCTATCTCAGTTAGGATCCTGCTGAGAAACAAAGAGC 24919
QY 481 CACTTGTAGCTGGTTTAAATTAGCAAGATTTACTACCTGGCCCTGGTGGCTTGCAGAAA 540
Db 24920 CACTTGTAGCTGGTTTAAATTAGCAAGATTTACTACCTGGCCCTGGTGGCTTGCAGAAA 24979
QY 541 TTGTTGAAGAGCTGGAGAGCAGACTCTGCTGAAATTTCCAGNACTCCAGGCGCCAGAT 600
Db 24980 TTGTTGAAGAGCTGGAGAGCAGACTCTGCTGAAATTTCCAGNACTCCAGGCGCCAGAT 25039
QY 601 TCATCATGCTGTTGTGACCAAGAAAGCTGCCCATCTCTCAGGAAGCCACTATGCCAGA 660
Db 25040 TCATCATGCTGTTGTGACCAAGAAAGCTGCCCATCTCTCAGGAAGCCACTATGCCAGA 25099
QY 661 AAGCTGCTGACTGCAAGAACTAGGCTCCCTCTGCAAGCTGCTGCAAGCTGCTGCAAGCTATGATGTC 720
Db 25100 AAGCTGCTGACTGCAAGAACTAGGCTCCCTCTGCAAGCTGCTGCAAGCTGCTGCAAGCTATGATGTC 25159
QY 721 CTGAGGCTGCGCCCTCTCCCACTTCACTCAGTTCCCAATCTAAATTTTACAAGAGATT 780
Db 25160 CTGAGGCTGCGCCCTCTCCCACTTCACTCAGTTCCCAATCTAAATTTTACAAGAGATT 25219
QY 781 CTGTTTGGGGAACTTAAAGTCAGATCCAGAACTTGGCTGCAAGGGAGTCTGGGAATGT 840
Db 25220 CTGTTTGGGGAACTTAAAGTCAGATCCAGAACTTGGCTGCAAGGGAGTCTGGGAATGT 25279

Qy	841	CATTTCCCTAGAAGAAAGTTAGGGTGGGTGGAGCAAGCCCCACCTGCGGTTTCTTGCCAC	900
Db	25280	CATTTCCCTAGAAGAAAGTTAGGGTGGGTGGAGCAAGCCCCACCTGCGGTTTCTTGCCAC	25339
Qy	901	AGCATCCCAATCGTGAAGAACTCGGAGAGGGTGGAGTCCACATCTAGGGTTGTCTTGCCC	960
Db	25340	AGCATCCCAATCGTGAAGAACTCGGAGAGGGTGGAGTCCACATCTAGGGTTGTCTTGCCC	25399
Qy	961	CTTGCGCTCTATCCCTGCCCCAGAGGTGGAACTGGAGGAGTGGGCTCCAAAGCTGAGCCCTA	1020
Db	25400	CTTGCGCTCTATCCCTGCCCCAGAGGTGGAACTGGAGGAGTGGGCTCCAAAGCTGAGCCCTA	25459
Qy	1021	AATGTCTCCCCGGCCCTTGACTTTCTTTCTAGTCTCTGGGGCCCTAGATTCTGCATCTGGGG	1080
Db	25460	AATGTCTCCCCGGCCCTTGACTTTCTTTCTAGTCTCTGGGGCCCTAGATTCTGCATCTGGGG	25519
Qy	1081	TCTCTGACAAACACACACATCCCAAGTAGTCGGGAAGAGCTAAACACAGGGGTTCTTAA	1140
Db	25520	TCTCTGACAAACACACATCCCAAGTAGTCGGGAAGAGCTAAACACAGGGGTTCTTAA	25579
Qy	1141	AATGCGTCCCCCGGACCCGGGCCCTCCCTTGGGCGAAAGGAATTGTCAGCCCTACCCCA	1200
Db	25580	AATGCGTCCCCCGGACCCGGGCCCTCCCTTGGGCGAAAGGAATTGTCAGCCCTACCCCA	25639
Qy	1201	ACCCCTCAACTACCAGAATCTGGGCCACCCACAGCAGTATTTTATTATTAAGATGTGCCCA	1260
Db	25640	ACCCCTCAACTACCAGAATCTGGGCCACCCACAGCAGTATTTTATTATTAAGATGTGCCCA	25699
Qy	1261	TTTTATGAGTTATGATCAATTTGTATTAAATTAAGATTACAGATGCA	1308
Db	25700	TTTTATGAGTTATGATCAATTTGTATTAAATTAAGATTACAGATGCA	25747

RESULT 4

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US-09-927-091-5
; Sequence 5, Application US/09927091
; Patent No. US20020119541A1
; GENERAL INFORMATION:
; APPLICANT: KILLARY, ANN
; APPLICANT: LOTT, STEVE
; APPLICANT: CHANDLER, DAWN
; TITLE OF INVENTION: THE TUMOR SUPPRESSOR CAR-1
; FILE REFERENCE: UTSC:651US
; CURRENT APPLICATION NUMBER: US/09/927,091
; CURRENT FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/227,560
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 60/225,033
; PRIOR FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 30625
; TYPR: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (4754)..(30625)
; OTHER INFORMATION: n = A or C or G or T/U
US-09-927-091-5

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	Query Match	96.5%	Score 1281;	DB 9;	Length 30625;
	Best Local Similarity	99.2%;	Pred. No. 0;		
	Matches 1298;	Conservative	0;	Mismatches 10;	Indels 1;
	Gaps	1;			
QY	1	TCACAGTGGTACAGGATAGTACCTGGTCCTAGGTTGCTGAGAGCCAACTCTCTGC	60		
Db	22975	TCCACAGTGGTACACAGTAGTACCTGGTCCTAGGTTGCTGAAAGCCAACTCTCTGC	23034		
QY	61	CACCCCCACACCAAGAACTATATGGTTCTACTCTTCCACGATCTGCTGGTCAGTGAT	120		
Db	23035	CATCCCCACACCAAGAAATATATGGTTCTACTCTTCCACGATCTGCTGGTCAGTGAT	23094		

Qy 1200 AACCTTCACTACAGAACTGGGCCACCCAGCAGTATTTTAAATGTTGCC 1259
Db 24175 AACCTTCACTACAGAACTGGGCCACCCAGCAGTATTTTAAATGTTGCC 24234
Qy 1260 ATTTATGAGTATGATCAATTTGATTTAAATTAAGTTACAGATGCA 1308
Db 24235 ATTTATGAGTATGATCAATTTGATTTAAATTAAGTTACAGATGCA 24283

RESULT 5
US-10-027-632-100265/c
; Sequence 100265, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 100265
; LENGTH: 610
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-100265

Query Match 34.3%; Score 454.6; DB 13; Length 610;
Best Local Similarity 99.8%; Pred. No. 3.8e-128;
Matches 454; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TCACAGTGGTCACAGTAGTACCTGGTCTTAGGGTTCCTGAGAGCAACCTCTCTGC 60
Db 455 TCACAGTGGTCACAGTAGTACCTGGTCTTAGGGTTCCTGAGAGCAACCTCTCTGC 396
Qy 61 CACCCACACACCAAGAACTATATGTTCTCTTCTCCACTGATCTGCTGGTCAGTGAT 120
Db 395 CACCCACACACCAAGAACTATATGTTCTCTTCTCCACTGATCTGCTGGTCAGTGAT 336
Qy 121 GATGCTGTGGCTGTGGAAGCACTGATGTTCTTCTCCACTGATCTGCTGGTCAGTGAT 180
Db 335 GATGCTGTGGCTGTGGAAGCACTGATGTTCTTCTCCACTGATCTGCTGGTCAGTGAT 336
Qy 181 CCACCTTCTGCCCCACAGGCGGAGCAGGGTACCCAAAGCTGATGCAAG 240
Db 275 CCACCTTCTGCCCCACAGGCGGAGCAGGGTACCCAAAGCTGATGCAAG 216
Qy 241 CCCATTAGCCTTAAAGCAACTGCGAGCAAGCCCTCCCTGGATGATCCAGGTCCCAGTAG 300
Db 215 CCCATTAGCCTTAAAGCAACTGCGAGCAAGCCCTCCCTGGATGATCCAGGTCCCAGTAG 156
Qy 301 CTCTGAACAAGAGTCCAGCAACCTCTTTCAGCCAGGCTCTGTGACCTGTAGGGTGCA 360
Db 155 CTCTGAACAAGAGTCCAGCAACCTCTTTCAGCCAGGCTCTGTGACCTGTAGGGTGCA 96
Qy 361 GGAGGCTTCCAGAGCAGTGTGTTGTAATTAGGACCCCAAGCACTGGGAGGGGCTGTGGCT 420
Db 95 GGAGGCTTCCAGAGCAGTGTGTTGTAATTAGGACCCCAAGCACTGGGAGGGGCTGTGGCT 36

Qy 421 AGACCCCTTGTACAGCTGGCATCTATCTCAGTTA 455
Db 35 RGACCCCTTGTACAGCTGGCATCTATCTCAGTTA 1
RESULT 6
US-10-027-632-100265/c
; Sequence 100265, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 100265
; LENGTH: 610
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-100265

Query Match 34.3%; Score 454.6; DB 16; Length 610;
Best Local Similarity 99.8%; Pred. No. 3.8e-128;
Matches 454; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TCACAGTGGTCACAGTAGTACCTGGTCTTAGGGTTCCTGAGAGCAACCTCTCTGC 60
Db 455 TCACAGTGGTCACAGTAGTACCTGGTCTTAGGGTTCCTGAGAGCAACCTCTCTGC 396
Qy 61 CACCCACACACCAAGAACTATATGTTCTCTTCTCCACTGATCTGCTGGTCAGTGAT 120
Db 395 CACCCACACACCAAGAACTATATGTTCTCTTCTCCACTGATCTGCTGGTCAGTGAT 336
Qy 121 GATGCTGTGGCTGTGGAAGCACTGATGTTCTTCTCCACTGATCTGCTGGTCAGTGAT 180
Db 335 GATGCTGTGGCTGTGGAAGCACTGATGTTCTTCTCCACTGATCTGCTGGTCAGTGAT 276
Qy 181 CCACCTTCTGCCCCACAGGCGGAGCAGGGTACCCAAAGCTGATGCAAG 240
Db 275 CCACCTTCTGCCCCACAGGCGGAGCAGGGTACCCAAAGCTGATGCAAG 216
Qy 241 CCCATTAGCCTTAAAGCAACTGCGAGCAAGCCCTCCCTGGATGATCCAGGTCCCAGTAG 300
Db 215 CCCATTAGCCTTAAAGCAACTGCGAGCAAGCCCTCCCTGGATGATCCAGGTCCCAGTAG 156
Qy 301 CTCTGAACAAGAGTCCAGCAACCTCTTTCAGCCAGGCTCTGTGACCTGTAGGGTGCA 360
Db 155 CTCTGAACAAGAGTCCAGCAACCTCTTTCAGCCAGGCTCTGTGACCTGTAGGGTGCA 96
Qy 361 GGAGGCTTCCAGAGCAGTGTGTTGTAATTAGGACCCCAAGCACTGGGAGGGGCTGTGGCT 420
Db 95 GGAGGCTTCCAGAGCAGTGTGTTGTAATTAGGACCCCAAGCACTGGGAGGGGCTGTGGCT 36
Qy 421 AGACCCCTTGTACAGCTGGCATCTATCTCAGTTA 455

[illegible]

Query Match 3.6%; Score 48.2; DB 16; Length 455;
Best Local Similarity 60.6%; Pred. No. 0.0011;
Matches 77; Conservative 1; Mismatches 49; Indels 0; Gaps 0;
QY 719 TCCTAGGGCTGCCCTCTCCCACTTCACCTCCCAATCTAAATTTTCAAGAGA 778

Search completed: August 6, 2004, 14:08:48
Job time : 668 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: August 6, 2004, 05:16:45 ; Search time 117 Seconds
(without alignments)
6294.187 Million cell updates/sec

Title: US-09-927-091-3_COPY_2500_3826

Perfect score: 1327

Sequence: 1 tccacagtgtcacagtag.....aaaaaaaaaaaaaaaaaaaaa 1327

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

- 1: /cgn2_6/ptodata/2/ina/5A COMB.seq.*
- 2: /cgn2_6/ptodata/2/ina/5B COMB.seq.*
- 3: /cgn2_6/ptodata/2/ina/6A COMB.seq.*
- 4: /cgn2_6/ptodata/2/ina/6B COMB.seq.*
- 5: /cgn2_6/ptodata/2/ina/PCTUS COMB.seq.*
- 6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	41.2	3.1	597	4	US-09-621-976-17621
2	41	3.1	323	4	US-09-621-976-10374
3	39.8	3.0	572	4	US-09-696-169A-12
4	38.8	2.9	2134	2	US-08-483-151-3
5	38.8	2.9	2134	5	PCT-US96-06427-3
6	38.6	2.9	1174	1	US-07-869-933-10
7	38.6	2.9	1174	3	US-09-103-663-10
8	38.6	2.9	2469	3	US-09-111-730-5
9	38.2	2.9	8920	2	US-08-446-855A-1
10	38.2	2.9	8920	3	US-09-150-741-1
11	38	2.9	2371	2	US-08-343-443B-1
12	38	2.9	7664	4	US-10-204-708-84
13	37.8	2.8	1217	3	US-09-277-716-17
14	37.8	2.8	1217	4	US-09-609-161B-17
15	37.8	2.8	4160	4	US-09-134-218-1
16	37.6	2.8	282	4	US-09-621-976-17925
17	37.2	2.8	1785	2	US-08-307-485A-6
18	37.2	2.8	1785	2	US-08-465-809-1
19	37	2.8	2920	4	US-10-158-847-137
20	36.4	2.7	567	3	US-09-385-982-427
21	36.2	2.7	1797	3	US-09-157-603-2
22	36.2	2.7	1797	3	US-09-587-436-2
23	36.2	2.7	1797	4	US-08-927-165A-2
24	36	2.7	268	4	US-09-621-976-73
25	36	2.7	6124	4	US-08-213-419B-3
26	36	2.7	7724	4	US-08-486-049-1
27	35.6	2.7	1365	4	US-09-614-912-5

28	35.4	2.7	1689	4	US-09-053-374A-4	Sequence 4, Appli
29	35.4	2.7	1882	3	US-09-370-253-1	Sequence 1, Appli
30	35.4	2.7	1897	1	US-08-184-632-1	Sequence 1, Appli
31	35.2	2.7	882	2	US-08-909-965C-9	Sequence 9, Appli
32	35.2	2.7	1465	4	US-09-220-132-159	Sequence 159, App
33	35.2	2.7	4137	4	US-09-499-964-2	Sequence 2, Appli
34	35	2.6	513	4	US-09-288-143-31	Sequence 31, Appli
35	34.8	2.6	411	4	US-09-134-000C-713	Sequence 713, App
36	34.8	2.6	931	4	US-09-482-273-31	Sequence 31, Appl
37	34.8	2.6	2836	3	US-08-747-221B-24	Sequence 24, Appl
38	34.8	2.6	2836	3	US-08-747-221B-24	Sequence 26, Appl
39	34.8	2.6	2836	3	US-09-005-051-24	Sequence 24, Appl
40	34.8	2.6	2836	3	US-09-005-051-24	Sequence 26, Appl
41	34.8	2.6	2836	4	US-09-403-942F-24	Sequence 24, Appl
42	34.8	2.6	2836	4	US-09-403-942F-26	Sequence 26, Appl
43	34.6	2.6	1223	4	US-09-461-325-101	Sequence 101, App
44	34.6	2.6	1223	4	US-10-012-542-101	Sequence 101, App
45	34.6	2.6	1310	4	US-09-187-999-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1
US-09-621-976-17621/c
; Sequence 17621, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 17621
; LENGTH: 597
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-621-976-17621

Query Match	3.1%	Score 41.2;	DB 4;	Length 597;
Best Local Similarity	57.2%	Pred. No. 0.023;		
Matches	95;	Conservative	0;	Mismatches 68; Indels 3; Gaps 1;
QY	665	TGCTGACTGCAGAACTAGGCTCCCTCTGCGCCAGCGTCCGTCGACCAATAGATGCTCTGA	724	
Db	165	TGCTGACAGCAGAACTAGGCTCCCTCTGCGCCAGCGTCCGTCGACCAATAGATGCTCTGA	106	
QY	725	GGCTGCGCCCTCCCACTTCAGTCCCAAAATCTAAATTTTACAGAGATTCTGT	784	
Db	105	ATCTGCTTTCTTCACATTTAGTTCTTTCTACAGCAATGGCACTGTGAGAGATTCT	46	
QY	785	TTGCGGGAATTAAGTCAGATCCAGACCTGCTGCAAGGAGTC	830	
Db	45	GT---GGAATCTAAATCTTCTACAGCAATGGCACTGTGAGAGATTCT	3	

RESULT 2
US-09-621-976-10374
; Sequence 10374, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335

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; SOFTWARE: Patent.pm
; SEQ ID NO 10374
; LENGTH: 323
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-10374

Query Match      3.1%; Score 41; DB 4; Length 323;
Best Local Similarity 53.2%; Pred. No. 0.019;
Matches 109; Conservative 0; Mismatches 95; Indels 1; Gaps 1;

QY 1124 ACACAGGGGTTCTTAAATGCTGCCCGCCGCCCGGCTCCCTGGGCAAAAGGAA 1183
DB 91 ACTCAAGCTTTGTTCATATGAGTCCACAGAACCTTGGGATCTCTACTTAAATTCGA 150
QY 1184 TTGTCAGCCCTACCCCAACCCCTTCAACTACCAAGATCTGGGCCACCCCGCAGTATTT-T 1242
DB 151 ACTGTTCTCCCTCTCTGTCCCTTACATCTCTGTAATCTCCCTCCCTCTTTCT 210
QY 1243 TATTTAAATGTGGCCATTTTATGAGTTATGATCAATTTGTATTAATTAAGTTACAG 1302
DB 211 TCTTTTATCTTTTAAATTTATTTATATATATTAATTAATTAATTAATTAATTAATTA 270
QY 1303 ATGTCAAAAAATAAAAAAAAAAAAA 1327
DB 271 AAAAAAAAAAAAAAAAAAAAAAAAAAAAA 295

RESULT 3
US-09-696-169A-12
; Sequence 12, Application US/09696169A
; Patent No. 6572859
; GENERAL INFORMATION:
; APPLICANT: VALENTA, Rudolf et al.
; TITLE OF INVENTION: NON-ANAPHYLACTIC FORMS OF GRASS POLLEN PH1 P 6 ALLERGEN AND THEIR
; FILE REFERENCE: 1614-0244P
; CURRENT APPLICATION NUMBER: US/09/696,169A
; PRIORITY FILING DATE: 2002-05-06
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 12
; LENGTH: 572
; TYPE: DNA
; ORGANISM: Phleum pratense
US-09-696-169A-12

Query Match      3.0%; Score 39.8; DB 4; Length 572;
Best Local Similarity 64.8%; Pred. No. 0.06;
Matches 59; Conservative 0; Mismatches 32; Indels 0; Gaps 0;

QY 1237 TATTTTATTTAAATGTTGCCCATTTTATGAGTTATGATCAATTTGTATTAATTAAG 1296
DB 475 TATTTTGAATTTGAAATGTAATCCTGATAGAAATCGGATTAAGTCCATTTAAAAA 534
QY 1297 TTACAGATGTCAAAAAATAAAAAAAAAAAAA 1327
DB 535 AAAAAAAAAAAAAAAAAAAAAAAAAAAAA 565

RESULT 4
US-08-483-151-3
; Sequence 3, Application US/08483151
; Patent No. 5859752
; GENERAL INFORMATION:
; APPLICANT: Seed, Brian
; APPLICANT: Holgersson, Jan
; TITLE OF INVENTION: FUCOSYLTRANSFERASE GENES AND USES THEREOF
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA

; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 151
; TYPE: DNA
; ORGANISM: Homo sapiens
US-08-483-151-3

Query Match      2.9%; Score 38.8; DB 2; Length 2134;
Best Local Similarity 64.4%; Pred. No. 0.25;
Matches 58; Conservative 0; Mismatches 32; Indels 0; Gaps 0;

QY 1238 ATTTTATTTAAATGTTGCCCATTTTATGAGTTATGATCAATTTGTATTAATTAAGT 1297
DB 2040 ATTTGTTCTTCCTGCTTTATGTTTCTATACCTGGATTTTAAATCATATTAAT 2099
QY 1298 TACAGATGTCAAAAAATAAAAAAAAAAAAA 1327
DB 2100 TACAGATGTCAAAAAATAAAAAAAAAAAAA 2129

RESULT 5
PCT-US96-06427-3
; Sequence 3, Application PC/TUS9606427
; GENERAL INFORMATION:
; APPLICANT: The General Hospital Corporation
; TITLE OF INVENTION: FUCOSYLTRANSFERASE GENES AND USES THEREOF
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/06427
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/483,151
; FILING DATE: 07-JUN-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Lech, Karen F.
; REGISTRATION NUMBER: 35,238
; REFERENCE/DOCKET NUMBER: 00786/278W01
; TELECOMMUNICATION INFORMATION:
```

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; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/483,151
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Lech, Karen F.
; REGISTRATION NUMBER: 35,238
; REFERENCE/DOCKET NUMBER: 00786/278W01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/542-8906
; TELEFAX: 617/542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2134 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-483-151-3

Query Match      2.9%; Score 38.8; DB 2; Length 2134;
Best Local Similarity 64.4%; Pred. No. 0.25;
Matches 58; Conservative 0; Mismatches 32; Indels 0; Gaps 0;

QY 1238 ATTTTATTTAAATGTTGCCCATTTTATGAGTTATGATCAATTTGTATTAATTAAGT 1297
DB 2040 ATTTGTTCTTCCTGCTTTATGTTTCTATACCTGGATTTTAAATCATATTAAT 2099
QY 1298 TACAGATGTCAAAAAATAAAAAAAAAAAAA 1327
DB 2100 TACAGATGTCAAAAAATAAAAAAAAAAAAA 2129

RESULT 5
PCT-US96-06427-3
; Sequence 3, Application PC/TUS9606427
; GENERAL INFORMATION:
; APPLICANT: The General Hospital Corporation
; TITLE OF INVENTION: FUCOSYLTRANSFERASE GENES AND USES THEREOF
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/06427
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/483,151
; FILING DATE: 07-JUN-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Lech, Karen F.
; REGISTRATION NUMBER: 35,238
; REFERENCE/DOCKET NUMBER: 00786/278W01
; TELECOMMUNICATION INFORMATION:
```

```

Matches 59; Conservative 0; Mismatches 34; Indels 0; Gaps 0;
QY 1235 AGTATTTTATTTAAATGTTGCCATTTTATGAGTTATGATCAATTTGTATTAAATTA 1294
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Db 1080 AGAATGAATAGATTTCATTTATTAGCATTTGTAAAGAGATGTTCAATTTCAATAAATA 1139
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1295 AGTTACAGATGTCAAAAAATAAAAAAAAAAAAA 1327
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1140 TATAAACCATGTTAAAAAATAAAAAAAAAAAAA 1172
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 7
US-09-103-663-10
; Sequence 10, Application US/09103663D
; Patent No. 6171803
; GENERAL INFORMATION:
; APPLICANT: Kinet et al.
; TITLE OF INVENTION: Isolation, characterization, and use of the human beta
; TITLE OF INVENTION: subunit of the high affinity receptor for
; TITLE OF INVENTION: immunoglobulin E.
; FILE REFERENCE: 50490
; CURRENT APPLICATION NUMBER: US/09/103,663D
; CURRENT FILING DATE: 1998-06-23
; EARLIER APPLICATION NUMBER: 07/869,933
; EARLIER FILING DATE: 1992-04-16
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 1174
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (107)..(880)
US-09-103-663-10

Query Match 2.9%; Score 38.6; DB 3; Length 1174;
Best Local Similarity 63.4%; Pred. No. 0.21;
Matches 59; Conservative 0; Mismatches 34; Indels 0; Gaps 0;
QY 1235 AGTATTTTATTTAAATGTTGCCATTTTATGAGTTATGATCAATTTGTATTAAATTA 1294
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1080 AGAATGAATAGATTTCATTTATTAGCATTTCTAAAGAGATGTTCAATTTCAATAAATA 1139
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1295 AGTTACAGATGTCAAAAAATAAAAAAAAAAAAA 1327
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1140 TATAAACCATGTTAAAAAATAAAAAAAAAAAAA 1172
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 8
US-09-111-730-5
; Sequence 5, Application US/09111730
; Patent No. 6274359
; GENERAL INFORMATION:
; APPLICANT: Hideharu Anazawa
; APPLICANT: Hiroko Shimada
; APPLICANT: Seiji Sugimoto
; APPLICANT: Toshimasa Shinki
; APPLICANT: Tatsuo Suda
; APPLICANT: Yuzuru Ishimura
; APPLICANT: Matsuhiko Hayashi
; APPLICANT: Toshiaki Monkawa
; APPLICANT: Tadashi Yoshida
; APPLICANT: Shu Wakino
; APPLICANT: Takao Saruta
; APPLICANT: Hiromichi Suzuki
; TITLE OF INVENTION: 25-HYDROXYVITAMIN D3-1a-HYDROXYLASE AND DNA ENCODING THE
; FILE REFERENCE: 1074
; CURRENT APPLICATION NUMBER: US/09/111,730
; CURRENT FILING DATE: 1998-07-08
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5

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; LENGTH: 2469
; TYPE: DNA
; ORGANISM: Rat
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (24)..(1526)
US-09-111-730-5

Query Match      2.9%; Score 38.6; DB 3; Length 2469;
Best Local Similarity 59.6%; Pred. No. 0.31;
Matches 65; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

QY 1219 TCTGGCCACCCACAGCATTATTTATTAATGTTGCCATTTTATGAGTTATGATCA 1278
Db 2352 TCTGCACCCACGCTGCTTTTATTTATTTAAATAATGTTATTTATGTTTCAATAA 2411

QY 1279 ATTTGTATTAAATTAAGTTACAGATGTCAAAAAAATAAAAAA 1327
Db 2412 AATGTTACTCTTGAAAAAATAAAAAAATAAAAAA 2460

RESULT 9
US-08-446-855A-1
; Sequence 1, Application US/08446855A
; Patent No. 5849573
; GENERAL INFORMATION:
; APPLICANT: Stewart, Thomas S
; APPLICANT: Flores, Maria V
; APPLICANT: O'Sullivan, William J
; TITLE OF INVENTION: Nucleotide sequence encoding carbamoyl
; TITLE OF INVENTION: Phosphate synthetase II
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon & Vanderhye PC
; STREET: 1100 No. 5849573th Glebe Road, 8th Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: USA
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/446,855A
; FILING DATE: 06-Jul-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Mitchard, Leonard C
; REGISTRATION NUMBER: 29,009
; REFERENCE/DOCKET NUMBER: 47-80
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-816-4000
; TELEFAX: 703-816-4100
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8920 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: genomic
; US-08-446-855A-1

Query Match      2.9%; Score 38.2; DB 2; Length 8920;
Best Local Similarity 63.7%; Pred. No. 0.86;
Matches 58; Conservative 0; Mismatches 33; Indels 0; Gaps 0;

QY 1237 TATTTTATTTAAATGTTGCCATTTTATGAGTTATGATCAATTTGTTATTAATAAG 1296
Db 545 TATATTTATTTAAATTTATTCATTTATTTTCTTAGTTTATAAATAGTAA 604

QY 1297 TTACAGATGTCAAAAAAATAAAAAA 1327
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Db 605 TTCTACTAATTTAAAAAATAAAAAA 635

RESULT 10
US-09-150-741-1
; Sequence 1, Application US/09150741
; Patent No. 6183996
; GENERAL INFORMATION:
; APPLICANT: Stewart et al.
; TITLE OF INVENTION: Nucleotide Sequence Encoding Carbamoyl Phosphate
; FILE REFERENCE:
; TITLE OF INVENTION: Synthetase II
; CURRENT APPLICATION NUMBER: US/09/150,741
; CURRENT FILING DATE: 1998-09-10
; EARLIER APPLICATION NUMBER: PL6380
; EARLIER FILING DATE: 1992-12-16
; EARLIER APPLICATION NUMBER: AU93/00617
; EARLIER FILING DATE: 1993-12-02
; EARLIER APPLICATION NUMBER: 08/446,855
; EARLIER FILING DATE: 1995-07-06
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 8920
; TYPE: DNA
; ORGANISM: Plasmodium falciparum
; US-09-150-741-1

Query Match      2.9%; Score 38.2; DB 3; Length 8920;
Best Local Similarity 63.7%; Pred. No. 0.86;
Matches 58; Conservative 0; Mismatches 33; Indels 0; Gaps 0;

QY 1237 TATTTTATTTAAATGTTGCCATTTTATGAGTTATGATCAATTTGTTATTAATAAG 1296
Db 545 TATATTTATTTAAATTTATTCATTTATTTTCTTAGTTTATAAATAGTAA 604

QY 1297 TTACAGATGTCAAAAAAATAAAAAA 1327
Db 605 TTCTACTAATTTAAAAAATAAAAAA 635

RESULT 11
US-08-343-443B-1
; Sequence 1, Application US/08343443B
; Patent No. 5968734
; GENERAL INFORMATION:
; APPLICANT: Aurias, Alain
; APPLICANT: Delattre, Olivier
; APPLICANT: Desmaze, Chantal
; APPLICANT: Melot, Thomas
; APPLICANT: Peter, Martine
; APPLICANT: Ploougastel, Beatrice
; APPLICANT: Thomas, Gilles
; APPLICANT: Zucman, Jessica
; TITLE OF INVENTION: NUCLEIC ACID CORRESPONDING TO A GENE OF
; TITLE OF INVENTION: CHROMOSOME 22 INVOLVED IN RECURRENT CHROMOSOMAL
; TITLE OF INVENTION: TRANSLATIONS ASSOCIATED WITH THE DEVELOPMENT OF CANCEROUS
; TITLE OF INVENTION: TUMORS, AND NUCLEIC ACIDS OF FUSION RESULTING FROM SAID
; NUMBER OF SEQUENCES: 129
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Weiser & Associates
; STREET: 230 South Fifteenth Street
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; SOFTWARE: AEDIT 1.0 DOS text editor
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/343,443B
; FILING DATE: 18-NOV-1994
; CLASSIFICATION: 514
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR93/00494
; FILING DATE: 19-MAY-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 92/06123
; FILING DATE: 20-MAY-1992
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Weiser, Gerard J.
; REGISTRATION NUMBER: 19,763
; REFERENCE/DOCKET NUMBER: 989.6121P
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-875-8383
; TELEFAX: 215-875-8394
; INFORMATION FOR SEQ ID NO: 1:
;
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2371 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
;
; FEATURE:
;
; NAME/KEY: CDS
; LOCATION: 25..1992
;
; US-08-343,443B-1

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	Query Match	2.9%;	Score 38;	DB 2;	Length 2371;
	Best Local Similarity	59.1%;	Pred. No. 0.46;		
	Matches 65;	Conservative 0;	Mismatches 45;	Indels 0;	Gaps 0;
QY	1218	ATCTGGGCCACCCAGCAGTATTTTATTTAAATGTTGCCATTTATGATGTTATGATC	1277		
Db	2259	ATTGTGGAGAACCAAGAGGGCCTTAACTGTAACTGTTCAATGTTCAATGTTGATGTTT	2318		
QY	1278	AAATTGTATTAATTAAGTTACAGATGTCAAAAAATAAAAAA	1327		
Db	2319	TTTATTTTAAATTAATTAATTCAAATGTTTAAATAAAAAAATAAAAAA	2368		

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RESULT 12
US-10-204-708-84/c
; Sequence 84, Application US/10204708
; Patent No. 667731
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA Replication
; TITLE OF INVENTION: by Assessing DNA Methylation
; FILE REFERENCE: 5013.1012
; CURRENT APPLICATION NUMBER: US/10/204,708
; CURRENT FILING DATE: 2003-05-06
; PRIOR APPLICATION NUMBER: PCT/EP01/03971
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 84
; LENGTH: 7664
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; - OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-204-708-84

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OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-204-708-84

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Query Match      2.9%; Score 38; DB 4; Length 7664;
Best local Similarity 62.8%; Pred.No. 0.91;
Matches 59; Conservative 0; Mismatches 35; Indels 0; Gaps 0;

QY 1231 CAGCAGTATTTTATTTAAATGTGCCCATTTTATCAGTATGATCAATTTGTATTAAA 1290
Db      858 CACAAATATTATTACTTATTAAATTTTCCAAATTTTAAATTTTAAAAAAAATTCATAATAAA 799

QY 1291 TTAAGTTACAGATGTCAAAAAAATAAAAAAAA 1324
Db      798 TAAAAATACGAATTTTAAATTAATAATAACAAAAA 765

RESULT 13
US-09-277-716-17
; Sequence 17, Application US/09277716A
; Patent No. 6232107
; GENERAL INFORMATION:
; APPLICANT: Bryan, Bruce
; APPLICANT: Szent-Gyorgyi, Christopher
; APPLICANT: PROLUME, LTD.
; TITLE OF INVENTION: LUCIFERASES, FLUORESCENT PROTEINS, NUCLEIC ACIDS ENCODING
; CURRENT APPLICATION NUMBER: US/09/277,716A
; CURRENT FILING DATE: 1999-03-26

```

RESULT 13
US-09-277-716-17
; Sequence 17, Application US/09277716A
; Patent No. 6232107
; GENERAL INFORMATION:

```

> CHARGED INVENTOR:
> APPLICANT: Bryan, Bruce
> APPLICANT: Szent-Gyorgyi, Christopher
> APPLICANT: PROMUE, LTD.
> TITLE OF INVENTION: LUCIFERASES, FLUORO-
> CURRENT APPLICATION NUMBER: US/09/277
> CURRENT FILING DATE: 1999-03-26
> EARLIER APPLICATION NUMBER: 60/102,938
> EARLIER FILING DATE: 1998-10-01
> EARLIER APPLICATION NUMBER: 60/089,367
> EARLIER FILING DATE: 1998-06-15
> EARLIER APPLICATION NUMBER: 60/079,628
> EARLIER FILING DATE: 1998-03-27
> NUMBER OF SEQ ID NOS: 32
> SOFTWARE: Patent Ver. 2.0

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; SEQUENCE VERSION: 2.0
;
; SEQ ID NO 17
; LENGTH: 1217
; TYPE: DNA
; ORGANISM: Renilla mulleri
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (31)..(963)
; FEATURE:
; OTHER INFORMATION: Renilla mulleri luciferase
US-09-277-716-17

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Query Match 2.8%; Score 37.8; DB 3; Length 1217;
Best Local Similarity 66.7%; Pred. No. 0.36;
Matches 54; Conservative 0; Mismatches 27; Indels 0

Qy	1243	TATTTAAATGTTGCCCATTTTATGAGTTATGATCAAAATTGTATTAATAATTAAGTTACAG	1302
Db	1137	TATTTAAATAATCAATCTTCTATGTAATAAAAACTTTGTTTAAATAAATTAATGATTACG	1196
Qy	1303	ATGTCAAAAAATAAAAAAAA	1323
Db	1197	AAAAAATAAAAAAATAAAAAAAA	1217

RESULT 14
US-09-609-161B-17
; Sequence 17, Application US/09609161B
; Patent No. 6436682
; GENERAL INFORMATION.

GENERAL INFORMATION:
APPLICANT: Bryan, Bruce
APPLICANT: Szent-Gyorgyi, Christopher
APPLICANT: Szent-Gyorgyi, Christopher
APPLICANT: Szent-Gyorgyi, Christopher
TITLE OF INVENTION: LUCIFERASES, FLUORESCENT
TITLE OF INVENTION: LUCIFERASES, FLUORESCENT
TITLE OF INVENTION: SCREENING AND NOVEL
FILE REFERENCE: 24729-121B
CURRENT APPLICATION NUMBER: US/09/609,
CURRENT FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: 09/277, 716
PRIOR FILING DATE: 1999-03-26

TITLE OF INVENTION: LUCIFERASES, FLUORESCENT PROTEINS, NUCLEIC ACIDS ENCODING THE LUC
 TITLE OF INVENTION: LUCIFERASES, FLUORESCENT PROTEINS AND THE USE THEREOF IN DIAGNOSTICS, HIG
 TITLE OF INVENTION: SCREENING AND NOVELTY ITEMS
 FILE REFERENCE: 24729-121B
 CURRENT APPLICATION NUMBER: US/09/609,161B
 CURRENT FILING DATE: 2000-06-30
 PRIOR APPLICATION NUMBER: 09/277,716
 PRIOR FILING DATE: 1999-03-26

Search completed: August 6, 2004, 12:26:55
Job time : 121 secs